S11 S12 S13
급수 → 냉수 급수 → 일정수위 도달 → (예) → 온수 급수

아니오

S15a S15b S15c
입수되는 물의 온도측정값 | 냉온수 온도측정값 | 유량계니 압력센서를 이용한 수압값

S16
종료 ← (예) ← 목표 수위 ← 비례미분 제어 (S15)

아니오

비례미분

S14
일정온도 도달 (예)

아니오

DERWENT-ACC-NO: <u>2003-389957</u>

DERWENT-WEEK: 200417

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TITLE: Method for controlling cool/hot water valves of fully automated <u>washing</u> <u>machine</u>

INVENTOR: CHOI, B G; HWANG, J S

PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

PRIORITY-DATA: 2001KR-0043818 (July 20, 2001)

PATENT-FAMILY:

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ABSTRACTED-PUB-NO: KR2003008350A

BASIC-ABSTRACT:

NOVELTY - A control method for cool/hot water valves of a fully automated <u>washing machine</u> is provided to precisely control temperature of water by controlling a single control variable.

DETAILED DESCRIPTION - A control method for cool/hot water valves of a fully automated <u>washing machine</u> includes the steps of supplying cool water to a washing tub(S11), blocking the cool water supply when the cool water in the washing tub reaches a predetermined water <u>level(S12), supplying hot water to the washing tub(S13), blocking the hot water supply when the temperature of the supplied water in the washing tub reaches a predetermined temperature</u>(S14), supplying hot and cool water to the washing tub under the proportional and derivative control(S15), and blocking the hot and cool water supply if the water level reaches a target point(S16).

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: ·METHOD CONTROL COOLING HOT WATER VALVE AUTOMATIC <u>WASHING MACHINE</u>

DERWENT-CLASS: T06 X27

EPI-CODES: T06-B13; X27-D01;